Claims:

1   1.   A method of preventing virus infection by detecting the
2   virus infection in a network, comprising steps of:
3   providing a decoy accessible through the network to a
4   computer that monitors intrusion of a virus;
5   receiving access to said decoy through the network, to
6   obtain communication information and to detect intrusion of the
7   virus;
8   detecting a virus source computer based on the
9   communication information obtained with respect to the virus
10   intrusion when the virus intrudes into the decoy; and
11   making an antivirus attack on the virus source computer
12   through the network for suppressing operation of the virus.

1   2.   A method of preventing virus infection according to Claim
2   1, wherein:
3   said decoy is one or more of a decoy folder stored in a
4   storage unit, a decoy application stored in the storage unit, and a
5   server formed virtually in the storage unit.

1   3.   A method of preventing virus infection according to Claim
2   1, wherein:
3   said attack is made by imposing a high load on the virus
4   source computer.

1   4.   A method of preventing virus infection according to Claim

2   3, wherein:

3   said high load is imposed on the virus source computer by

4   increasing traffic of said computer.

1   5.   A method of preventing virus infection according to Claim

2   3, wherein:

3   said high load is imposed on the virus source computer by

4   sending a large number of requests to which a CPU of said

5   computer should respond.

1   6.   A system for preventing virus infection by detecting the

2   virus infection in a network, comprising:

3   a decoy means that can be accessed through the network;

4   a communication information analysis means that detects

5   intrusion of a virus into said decoy means, and then on detecting

6   virus intrusion, detects a virus source computer based on

7   communication information obtained when the virus intrudes; and

8   a computer attack means that makes an antivirus attack

9   on the virus source computer through the network, for

10 suppressing operation of the virus.

1   7.   A system for preventing virus infection according to Claim

2   6, wherein:

3   said decoy means is one or more of a decoy folder stored in

4   a storage unit, a decoy application stored in the storage unit, and

5   a server formed virtually in the storage unit.

1   8.   A system for preventing virus infection according to Claim

2   6, wherein:

3   said computer attack means imposes a high load on the

4   virus source computer.

1   9.   A method of preventing virus infection in a system for

2   preventing virus infection according to Claim 8, wherein:

3   said computer attack means imposes the high load on the

4   virus source computer by increasing traffic of said computer.

1   10.   A system for preventing virus infection according to Claim

2   8, wherein:

3   said computer attack means imposes the high load on the

4   virus source computer by sending a large number of requests to

5   which a CPU of said computer should respond.

1   11.   A system for preventing virus infection according to one of

2   Claims 8, 9 and 10, wherein:

3   said system further comprises a detection report

4   transmission means that sends a detection report to an

5   administrator of the virus source computer; and

6   said computer attack means continues to make the

7   antivirus attack on the virus source computer until a

8   countermeasure against the virus has been completed.

1   12.   A system for preventing virus infection according to Claim

2   6, wherein:

3   said decoy means is a decoy folder realized by an

4   application provided in a decoy server that is formed virtually in

5   a storage unit of a computer connected to the network.

1   13.   A system for preventing virus infection according to Claim

2   6, wherein:

3   said decoy means is a decoy application realized as an

4   application provided in a decoy server that is formed virtually in

5   a storage unit of a computer connected to the network.

1   14.   A system for preventing virus infection according to one of

2   Claims 8, 9 and 10, further comprising:

3   a message sending means that sends a message of

4   announcing a start of the attack imposing the high load to the

5   infected computer.

1   15.   A system for preventing virus infection according to one of

2   Claims 8, 9 and 10, further comprising:

3   an alarm sound generation means that generates an alarm

4   sound in an attacking terminal unit at a start of the attack or

5   after the start of the attack.

1   16.   A system for preventing virus infection according to one of

2   Claims 8, 9 and 10, further comprising:

3   a requesting means that notifies a network address of the

4   virus source computer to another computer connected to the

5   network and requests to said computer for making an antivirus

6   attack on the virus source computer.

1   17.   A system for preventing virus infection by detecting the

2   virus infection in a network, comprising:

3   a request receiving means that receives a request for

4   making an antivirus attack on a virus source computer; and

5   a computer attack means that makes an antivirus attack

6   on said virus source computer through the network for

7   suppressing operation of a virus, based on said request received.

1   18.   A program for making a computer prevent virus infection

2   by detecting the virus infection in a network, wherein:

3   said program makes said computer realize:

4   a communication information analysis means that detects

5   intrusion of a virus into a decoy means accessible through the

6   network, and then on detecting virus intrusion, detects a virus

7   source computer based on communication information obtained

8   when the virus intrudes; and

9   a computer attack means that makes an antivirus attack

10 on the virus source computer through the network, for

11 suppressing operation of the virus.

1   19.   A program for making a computer prevent virus infection

2   by detecting the virus infection in a network, wherein:

3   said program makes said computer perform processing of

4   rejecting communication from a virus source computer when a

5   network address of the virus source computer is notified.